

What is claimed is:

1. 1. A method comprising:
 2. providing a signal to a communication link to communicate a data value across the
 3. communication link; and
 4. selectively introducing at least one wavelength to the signal, said at least one wavelength
 5. identifying the data value.
1. 2. The method of claim 1, wherein the presence of said at least one wavelength in
2. the signal identifies the data value.
1. 3. The method of claim 1, wherein said introducing comprises:
 2. introducing a wavelength identifying a byte value.
1. 4. The method of claim 1, wherein said introducing comprises:
 2. introducing a wavelength identifying a bit state.
1. 5. The method of claim 1, wherein said introducing comprises:
 2. introducing wavelengths identifying different bit states of a digital value.
1. 6. The method of claim 5, wherein the digital value comprises a nibble.
1. 7. The method of claim 1, wherein the providing comprises:
 2. providing the signal to an optical fiber.

1 8. A method comprising:
2 receiving a signal from a communication link, the communication link to communicate a
3 data value; and
4 detecting the presence of at least one wavelength in the signal to identify the data value.

1 9. The method of claim 8, wherein the detecting comprises:
2 detecting a wavelength identifying a byte value.

1 10. The method of claim 8, wherein the detecting comprises:
2 detecting a wavelength identifying a bit state.

1 11. The method of claim 8, wherein the detecting comprises:
2 detecting wavelengths identifying different bit states of a digital value.

1 12. The method of claim 11, wherein the digital value comprises a nibble.

1 13. The method of claim 8, wherein the receiving comprises:
2 receiving the signal from an optical fiber.

1 14. The method of claim 8, wherein the receiving comprises:
2 receiving the signal from an optical communication link.

1 15. A receiver comprising:
2 at least one detector coupled to a communication link to detect the presence of at least
3 one wavelength in a signal received from the communication link to identify data communicated
4 over the communication link.

1 16. The receiver of claim 15, wherein said at least one wavelength comprises a
2 wavelength identifying a byte value.

1 17. The receiver of claim 15, wherein said at least one wavelength comprises a
2 wavelength identifying a bit state.

1 18. The receiver of claim 15, wherein said at least one detector receives the signal
2 from an optical fiber.

1 19. The receiver of claim 15, wherein said at least one detector comprises:
2 multiple detectors, each detector to detect the presence of a different wavelength in the
3 signal.

1 20. A transmitter comprising:
2 at least one source to provide a signal to a communication link to communicate a data
3 value and selectively introduce at least one wavelength to the communication link, said at least
4 one wavelength identifying the data value.

1 21. The transmitter of claim 20, wherein the present of said at least one wavelength
2 identifies the particular data value.

1 22. The transmitter of claim 20, wherein said at least one wavelength comprises a
2 wavelength identifying a byte value.

1 23. The transmitter of claim 20, wherein said at least one wavelength comprises a
2 wavelength identifying a bit state.

1 24. The transmitter of claim 20, wherein said at least one source provides the signal to
2 an optical communication link.

1 25. A system comprising:
2 a communication link;
3 a transmitter to provide a signal to the communication link to communicate a data value
4 over the communication link and selectively introduce at least one wavelength to the signal, said
5 at least one wavelength identifying the data value; and
6 a receiver coupled to the communication link to detect said at least one wavelength to
7 identify the data value.

1 26. The system of claim 25, wherein the presence of said at least one wavelength
2 identifies the particular data value.

1 27. The system of claim 25, wherein said at least one wavelength comprises a
2 wavelength identifying a byte value.

1 28. The system of claim 25, wherein said at least one wavelength comprises a
2 wavelength identifying a bit state.

1 29. The system of claim 25, wherein the communication link comprises an optical
2 communication link.

1 30. A system comprising:
2 an optical fiber;
3 a transmitter to provide a signal to the optical fiber to communicate a data value over the
4 optical fiber and selectively introduce at least one wavelength to the signal, said at least one
5 wavelength identifying the data value and to indicate a particular data value; and
6 a receiver coupled to the optical fiber to detect said at least one wavelength to identify the
7 data value.